



JCHEM - 114

Technical Bulletin

LOW TEMPERATURE GREASE

JCHEM-114 is a NLGI-2 grease specially formulated with synthetic hydrocarbon oil with a viscosity of 6 cSt at 100°C. It is inhibited against corrosion, oxidation and contains anti-wear and extreme pressure additives. It is a multi-purpose grease that is able to withstand the most severe conditions encountered in an aircraft, including high loads/low temperature, and water contamination, such as in wheel bearings.

OUTSTANDING FUNCTIONAL CHARACTERISTICS

JCHEM-114 is formulated with a balanced additive to impart outstanding performance that is characterized by:

- Excellent mechanical stability
- Wide temperature range of -65°C to +177°C
- Highly water resistant
- Resist pound-out under shock loading
- Inhibited against corrosion and oxidation
- Low temperature application

TYPICAL APPLICATION

All types of bearing in cold room and bearings exposed to extremely low temperature. It also can be used for the lubrication of aircraft wheel bearings in internal brake wheel assemblies, anti-friction bearings and plain bearings. It is also used on numerous other components such as control systems, screw-jacks, instruments, airframe pins and joints, or landing gear mechanism.

TYPICAL INSPECTION TESTS

NLGI Grade	2
Penetration worked @ 77°F	265-295
Dropping Point, °C	250
Operating Temperature, °C	- 65 to +177
Viscosity Base Oil, cSt @100°C	6
Texture	Smooth/Tacky
Color	Yellow